

Appendix table 4-44

Gross expenditures on R&D, by performing and funding sectors, for selected countries: 2008

(Millions of current PPP dollars)

Country/R&D performer	Source of R&D funds						Performers, % distribution
	All sources	Business	Government	Higher education	Private nonprofit	Abroad	
United States	403,668	249,631	118,239	14,225	12,578	8,995	100.0
Business	290,681	245,326	36,360	0	0	8,995	72.0
Government	45,246	0	45,246	0	0	NA	11.2
Higher education	51,650	3,004	30,341	14,225	4,080	NA	12.8
Private nonprofit	16,091	1,301	6,292	0	8,498	NA	4.0
Sources, % distribution	99.9	61.8	29.3	3.5	3.1	2.2	na
Germany	81,849	55,062	23,247	0	255	3,285	99.9
Business	56,680	51,929	2,550	0	97	2,104	69.2
Government	11,499	1,064	9,653	0	158	624	14.0
Higher education	13,670	2,069	11,044	**	**	557	16.7
Private nonprofit	0	**	**	**	**	**	0.0
Sources, % distribution	100.0	67.3	28.4	0.0	0.3	4.0	na
France	46,263	23,474	18,002	576	487	3,724	99.9
Business	29,039	22,694	3,305	10	22	3,008	62.8
Government	7,375	505	6,401	22	45	402	15.9
Higher education	9,272	199	8,212	528	70	263	20.0
Private nonprofit	577	76	84	16	350	51	1.2
Sources, % distribution	99.9	50.7	38.9	1.2	1.1	8.0	na
United Kingdom	40,095	18,213	12,295	496	1,976	7,115	100.1
Business	24,857	17,338	1,635	**	38	5,846	62.0
Government	3,671	291	3,097	33	128	122	9.2
Higher education	10,624	488	7,194	449	1,480	1,013	26.5
Private nonprofit	943	96	369	14	330	134	2.4
Sources, % distribution	99.9	45.4	30.7	1.2	4.9	17.7	na
Japan	148,717	116,257	23,229	7,647	1,022	562	100.0
Business	116,687	114,991	1,073	11	93	519	78.5
Government	12,386	88	12,225	17	40	16	8.3
Higher education	17,306	517	8,973	7,615	188	13	11.6
Private nonprofit	2,338	661	958	4	701	14	1.6
Sources, % distribution	100.0	78.2	15.6	5.1	0.7	0.4	na
China	120,775	86,645	28,490	NA	NA	1,496	100.1
Business	88,480	82,083	3,807	NA	NA	1,261	73.3
Government	22,087	1,033	18,783	NA	NA	109	18.3
Higher education	10,208	3,529	5,900	NA	NA	126	8.5
Private nonprofit	NA	NA	NA	NA	NA	NA	0.0
Sources, % distribution	96.5	71.7	23.6	NA	NA	1.2	na
South Korea	43,906	31,999	11,155	442	174	136	100.0
Business	33,091	31,031	1,951	19	8	82	75.4
Government	5,294	186	5,049	4	38	17	12.1
Higher education	4,893	588	3,803	418	50	34	11.1
Private nonprofit	628	194	352	1	78	3	1.4
Sources, % distribution	100.0	72.9	25.4	1.0	0.4	0.3	na

** = included in other categories; NA = not available; na = not applicable

PPP = purchasing power parity

NOTES: Top seven R&D performing countries globally. Foreign currencies converted to dollars through purchasing power parities. Data for United States reflect international standards for calculating gross expenditures on R&D, which vary slightly from NSF protocol for tallying U.S. total R&D.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, National Patterns of R&D Resources (annual series); Organisation for Economic Co-operation and Development, special tabulations (June 2011).